

Starmie

by Arya Akhavan (December 2012)

Angles for R.I. = 1.540

56 + 10 girdles = 66 facets

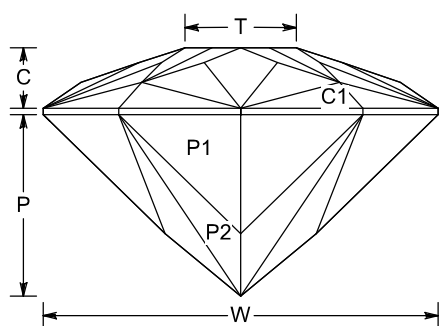
5-fold, mirror-image symmetry

120 index

L/W = 1.051 T/W = 0.282 U/W = 0.273

P/W = 0.458 C/W = 0.153

Vol./W³ = 0.205



PAVILION

P1	44.17°	006-018-030-042-054-066-078-090-102-114	Cut to centerpoint.
G1	90.00°	006-018-030-042-054-066-078-090-102-114	Set stone size.
P2	41.41°	009-015-033-039-057-063-081-087-105-111	Meet P1, G1

CROWN

C1	34.40°	006-018-030-042-054-066-078-090-102-114	Set girdle width.
C2	22.94°	002-022-026-046-050-070-074-094-098-118	Meet G1, C1
C3	22.12°	120-024-048-072-096	Meet G1, C1, C2
C4	16.34°	011-013-035-037-059-061-083-085-107-109	Meet C1, C2
T	0.00°	Table	Meet C3, C4

This design was originally supposed to be an experiment in 120 indices, but turned into a highly accurate representation of Starmie, a water Pokemon. This design is fast and easy to cut, and should deepen color. I prefer this in amethyst, but it works in materials from quartz to rutile (RI = 1.54 - 2.62)) with no changes.

Suggested size = 6-12 mm

C:\Users\ARYADE~1\Pictures\DESIGN~1\WORKSI~1\Starmie.gem